

INTERNATIONAL SEARCH REPORT

International application No.

A. CLASSIFICATION OF SUBJECT MATTER
IPC⁷ H04B 1/00, H04B 3/04, H03H 2 1/00, H03H 17/00

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷ H04B H03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms)

Databases: Canadian Patent Database, Pluspat, Delphion, IEEEExplore

Keywords: adaptive, equalizer, equalization, transmit*, receive*, control, pre-emphasis, linear, non-linear, decision feedback equalizer (DFE), cursor, pre-cursor, feed forward equalizer, serial, error, desired, offset.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant	Relevant to claim No(s).
X	US 6,212,229 B1 (Salinger) 3 April 2001 (03-04-2001) **Figures 3&4, claim 20**	1-5
Y		21-24
Y	US 5,966,415 (Bliss et al.) 12 October 1999 (12-10-1999) **abstract; col. 4, line 40 - col. 5, line 4**	21-24
L	Web Site containing presentation below last updated on Nov. 29, 2004. http://www.ieee802.org/3/ap/public/nov04/	
X,P	IEEE 802.3ap - Adaptive Tx Equalization (Mike Altmann) November 2004 Plenary Week IEEE P802.3ap Task Force Meeting (November 16-18, 2004, San Antonio TX) http://www.ieee802.org/3/ap/public/nov04/altmann_02_1104.pdf	1, 14, 21, 25
A	CA 2 487 358 (Smée et al.) 11 December 2003 (11-12-2003)	1, 21

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

16 March 2005 (16-03-2005)

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01 April 2005 (01-04-2005)

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2005/000078

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
A,P	US 2004/0047409 A1 (Lee et al.) 11 March 2004 (11-03-2004) **Figure 2**	
A,P	WO 2004/034078 A2 (Vorenkamp et al.) 22 April 2004 (22-04-2004) **Figure 1**	
A	US 4,995,057 (Chung) 19 February 1991 (19-02-1991) **col. 2, line 57 - col. 3, line 12; claims)	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
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Patent Document Cited In Search Report	Publication Date	Patent Family Member(s)	Publication Date
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